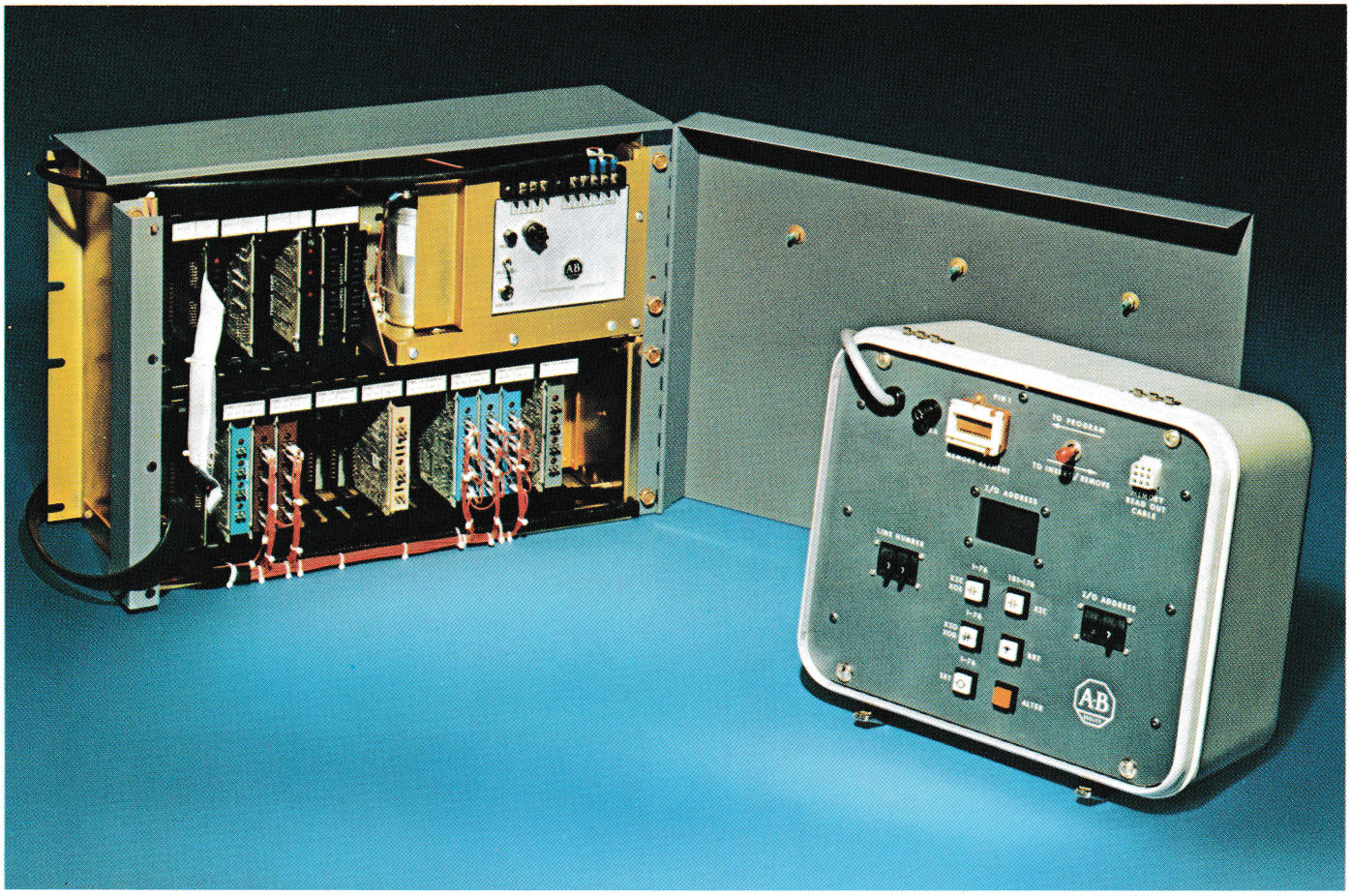
Bulletin 1755
Mini-PMC
Programmable Controller



The proven design of the PMC in a scaled-down version.

The Mini-PMC is the smaller version of the Bulletin 1750 PMC (programmable controller). Many applications do not call for the full 124 I/O capability PMC offers.

Mini-PMC, with a maximum of 62 I/O functions and forty internal storage points per unit, is ideally suited for a variety of control assignments, including grinding, transfer-type machines and retrofitting, many types of injection molding, and other applications.

The upper rack of Mini-PMC accommodates power supply, processor, and memory. The lower rack contains up to 16 I/O modules. The PMC 1750-F Memory Loader (shown) and the 1750-G Program Panel (photo on reverse side) are also used with Mini-PMC.

Each Mini-PMC now includes 40 internal storage points. Use for shift registers, control relays, counting.

Mini-PMC: Scaled-down I/O, scaled-down price.

Scaled-down capability results in a scaled-down package. The swing-door cabinet (smaller than the PMC cabinet) contains just two racks. The left-hand side of the upper rack holds the processing modules. The right-hand half contains a newly designed mini-power unit. The lower rack holds the I/O module cards.

Mini-PMC is compatible with the full-size PMC. Both use the same instruction set; both are programmed the same way. Both use the same program loaders. All Mini-PMC cards are standard PMC cards — input, output, timers and counters. Both Mini-PMC and PMC can be used in conjunction with computer interface and read/write units.

Although neither input expansion nor auxiliary racks can be utilized, Mini-PMC units can be operated in parallel should additional I/O capability be needed. Or, Mini-PMC can be used along with a full-sized PMC in larger applications.

Up to three memory modules, each of which utilizes pROMs, provide a maximum memory of 576 words. All inputs and outputs are wired directly to the I/O modules in the main frame.

SPECIFICATIONS

PHYSICAL FEATURES

Nominal Dimensions (H x W x D)
Basic Mini-PMC system
14″ x 20″ x 8¼″
(35.5 cm. x 50.8 cm. x 21 cm.)

Nominal Net Weight
45 lbs. (20.5 kg.)

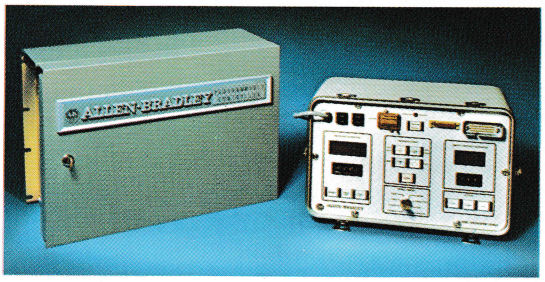
POWER REQUIREMENTS

120V AC ±10%, 60/50 Hz single-phase
150VA (max.)
Exclusive of load requirements

ENVIRONMENTAL

Ambient Operating Temperatures:
32° to 140°F (0° to 60°C)

Relative Humidity: 10% to 90%



A-B QUALITY

ALLEN-BRADLEY
Highland Heights, Ohio 44143

Printed in U.S.A.

Publication 1755-43 — July, 1976
Supersedes Publication SD43 Dated March, 1975